### Field application methods

#### Foam Sealant (SPF and FS)

- Kits and cans (FS) portable and low tech
- Higher cost than bulk foam
- Cost effective in small areas that are difficult to access with high-pressure hoses.

# FS - Foam sealants

- FS Foam sealant
- a. Open crack/penetration sealing
- b. Limited cavity fill









# Foam Sealant (FS)

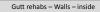


### Field application methods

### Spray-applied (SPF)

- Requires open cavities.
- Requires OSHA-approved supplied air equipment and isolation of the work area. Depressurization can be used to protect occupied spaces.
- Allows application of desired R-value thickness.
- Allows visual inspection and infrared, R-value, and air leakage testing before the installation of interior finishes.

### SPF - Bulk foam







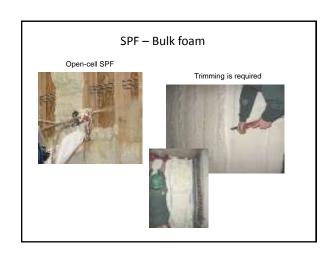
### SPF – Bulk foam

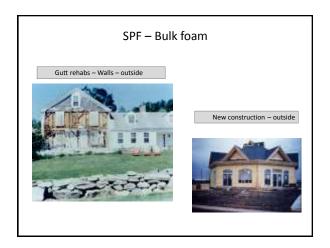


Closed-cell in a double 2x4 Wall - R-21 with no trimming

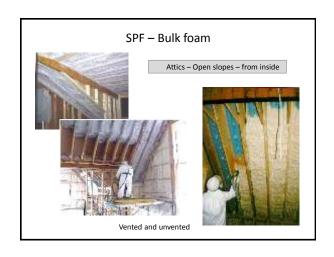
Closed-cell foam is a rigid product designed for interior and exterior applications. It expands at a ratio of ~30:1.



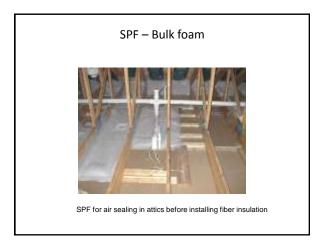




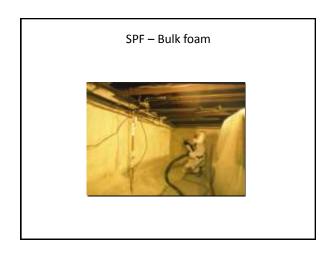




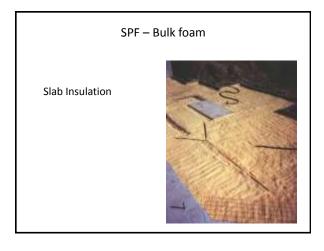




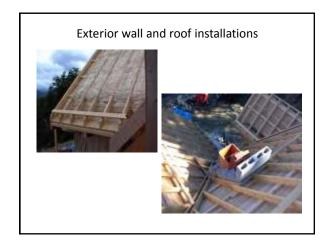












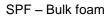














Exterior cavity-wall installation = air barrier continuity

## SPF - Bulk foam







SPF - Bulk foam

Drainage plane



## Field application methods

### Injected (cavity fill) on site

- Allows insulation, vapor control, and air sealing in closed building cavities.
- Requires ventilation of the work area.
  Depressurization can be used to protect adjoining occupied spaces.
- Requires filling closed cavities R-value can be varied only by foam selection to match cavity thickness (if vapor issues allow).
- Requires care to avoid distorting the sheathing.
- Requires infrared R-value and air leakage quality assurance (voids).

IPF - Bulk foam

Injected on site



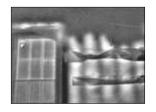




#### IPF - Bulk foam

How do you know you got it all?

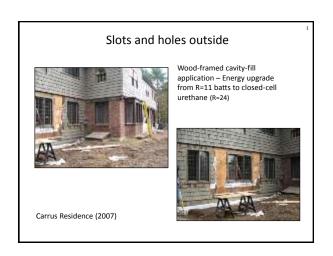
IR quality assurance testing during construction



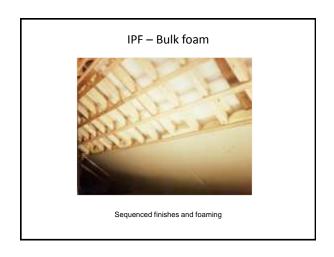
**Cavity-fill applications** 















Using kit foam to seal small bays

